

Title (en)

PHOSPHOR, RADIATION IMAGE RECORDING AND REPRODUCING METHOD AND RADIATION IMAGE STORAGE PANEL

Publication

EP 0200017 A3 19880210 (EN)

Application

EP 86104503 A 19860402

Priority

- JP 7048485 A 19850402
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Abstract (en)

[origin: US4780375A] A bismuth activated alkali metal halide phosphor having the formula (I): $\text{MIX}:\text{xBi}$ (I) in which MI is at least one alkali metal selected from the group consisting of Rb and Cs; X is at least one halogen selected from the group consisting of Cl, Br and I; and x is a number satisfying the condition of $0 < \text{x} \leq 0.2$. A process for the preparation of said phosphor, a radiation image recording and reproducing method utilizing said phosphor, and a radiation image storage panel employing said phosphor are also disclosed.

IPC 1-7

C09K 11/74; **G21K 4/00**

IPC 8 full level

C09K 11/74 (2006.01); **G01T 1/29** (2006.01); **G21K 4/00** (2006.01)

CPC (source: EP US)

C09K 11/7435 (2013.01 - EP US); **G01T 1/2012** (2013.01 - EP US); **G21K 4/00** (2013.01 - EP US)

Citation (search report)

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- [A] CHEMICAL ABSTRACTS, vol. 102, no. 4, January 1985, pages 720,721, abstract no. 35870k, Columbus, Ohio, US; A. WOLFERT et al.: "Luminescence of S^{2-} ions in cesium tribromocadmate and cesium trichloromagnesate", & J. SOLID STATE CHEM. 1984, 55(3), 344-52

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Designated contracting state (EPC)

DE FR NL

DOCDB simple family (publication)

EP 0200017 A2 19861105; **EP 0200017 A3 19880210**; **EP 0200017 B1 19930630**; DE 3688630 D1 19930805; DE 3688630 T2 19931007; US 4780375 A 19881025; US 4801806 A 19890131

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